Spicer Imagenation®

Product Profile

Imagenation is a powerful tool for accessing, sharing and distributing your company's information. Its ability to handle the majority of document viewing requirements—from native file viewing, 3D CAD model viewing, to direct scanning and cleanup of paper documents, to document markup and revision—makes Imagenation one of the most frequently selected viewing tools on the market.

For custom Web or desktop viewing and markup applications, Spicer's Image a•X OEM Toolkit combines the flexibility of Microsoft's ActiveX™ technology and the proven view-markup-print-edit capability of Imagenation. See page 20 for details.

Spicer Imagenation solutions are used Industries worldwide

- Manufacturing
- Architecture/Engineering/ Construction (AEC)
- Geographic Information Systems (GIS)
- Records Information Management (RIM)
- Government
- Utilities
- Financial & Insurance
- Legal
- Reprographics

Common Applications

Spicer solutions for your document workflow needs

Universal Viewer for ECM

Use a single application to access unlimited formats stored in your ECM (Enterprise Content Management) system.

Engineering Viewer

Gather information and incorporate document changes throughout a project cycle using a common interface for technical and design document review with partners and clients.

View-Markup for ECM and PLM

Equip everyone in the enterprise with instant access to the same, up-to-date ECM or PLM system content for real-time design and document reviews.

Format Conversion

Identify, preview and convert hundreds of business and technical file types for emailing, printing, publishing, and archiving.

PDF Viewing and Markup

Simplify PDF document workflows with solutions for rapid viewing, integrated markup, online collaboration, and format conversion.

Spicer SMF Viewing and Markup

Keep your intellectual property secure and private during shared viewing, annotation, and markup.

Scan, Print, and Plot

Scan using built-in drivers. Clean up and print large format documents.

Printing and Plotting

Streamline plotting workflows and save costs on multiple drawing packages and third party viewers with a single application for printing from the desktop, or through a server.

Scan to File

Use a single application to scan, preview, and clean up color, grayscale, and bilevel documents, and save to a standard format for archival storage.

Raster Cleanup

Simplify the cleanup and update of archived drawings using a single application to open unlimited engineering and office formats.

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Native File Viewing

Freedom to open files without the original software

? What is native file viewing?
This means opening files, such as AutoCAD, without converting them to another format. Imagenation views over 200 native file formats. Native file viewing is the fastest, most versatile method for getting access to the information stored in your documents.

! Requesting Support for a Format

Not all supported formats are listed here. If you require support for a format that is not listed, contact your Sales Manager. Spicer is always adding new formats. We may already be working on your format.

By displaying documents from numerous programs without having the program installed, Imagenation lets you share information with more people, in less time, for less money. And, with Imagenation's inherent security features, companies can confidently protect sensitive data from being viewed or altered by unauthorized users.

Supported File Formats (partial list)

CAD
AutoCAD (DWG, DWF, DXF)
AutoDESK Inventor
CADRA
CAD Overlay
CoCreate ME10 MI
Gerber (RS 274-D & RS 274-X)
GTX RasterCAD
Microstation DGN, DGN v8
Softelec VPMax
Visio (*.vsd) preview
Solidworks 2D drawings (*.slddrw)

3D CAD
AutoDESK Inventor
CATIA
Pro/E
SAT
STEP
VDA-FS
IGES
STL
VRML
XGL/ZGL
SolidWorks parts (*.sldprt) and assemblies (*.sldasm)
UGS JT

Raster
AIIM Type II
Auto-trol DX
Brooktrout FAX
CAD Overlay
Calcomp CCRF
CALS
Compuserve GIF
DCX Multipage
DDIFF
Digital Negative (preview)
EDMICS C4
FileNET Banded
FileNET Tiled
Formtek
GEM IMG
Group IV
GTX Group IV
Hitachi Raster HRF
IBM IOCA
Image Machines TG4/IG4
ImageCenter TG4
Intergraph
JEDMICS
JFIF-JPEG
JPEG 2000
LaserData
MicroDynamics MARS
MrSID
OS/2 BMP
PCX
Photomatrix Group 3 & 4
PNG
Progressive JFIF
RLC, RLC 2, RCLX
Skantek
Sun Raster
Targa Truevision
TIFF (various)
Versatec VDS
Vidar
Windows BMP
WINFAX Pro
WordPerfect WPG
Xerox Docuplex
Xionics Group 4
XWD RAW
Zsoft ZGF

Vector Graphics
AQU
Auto-trol DG
Auto-trol TI
CADDS
CGM
CIMAGE DWG
Compressed MI
Enhanced Metafile EMF
Macintosh PICT
MI
Micrographx DRW
SBD
SVG
Visio (*.vsd) preview
Windows Metafile WMF
XMS

Text
Adobe Acrobat PDF
ASCII Binary & Text
Microsoft Excel
Microsoft Outlook MSG
Microsoft PowerPoint
Microsoft RTF
Microsoft Word
OMNEX Aqua II
OTG COLD
TeamWorks (TW) COLD
WordPerfect
ZIP

Print/Plot
Adobe Acrobat PDF
PostScript
EPS
HPGL
HPGL/2
HP RTL
Calcomp 906/907

For a complete list of supported file formats, visit www.spicer.com.

AVAILABLE IN:
Large-Format Documents
☑ SVME
☑ SVE (Raster only)*
☑ VME
☑ VM
☑ V*
3D CAD Models
☑ VME 3D+
☑ VM 3D+
☑ V 3D+
Office-Size Documents
☑ OVA*
Batch Editions
☑ SVME+B
*Does not view Vector/CAD formats.

Navigation and Display

See your documents the way you want to

When working with complex documents, Imagenation's navigation and display tools make finding information simple.

Improve Display

Negative, mirrored, rotated, or dense images make on-screen viewing difficult. Use Imagenation's View options to improve their display. For vectors, simplify images with commands such as Invert, Hairlines, Wireframes, and Monochrome. Redraw images with the Refresh command to update display changes.

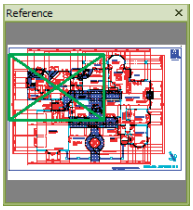
Use the **Format** options to customize how different formats, such as IGES, ME10, Gerber, Adobe PDF/PS, COLD, Calcomp/HPGL, Auto-trol DG, CADRA, CGM, MicroStation DGN, Word, Raster Formats, and AutoCAD, are displayed.

Text Search

Locate text strings in virtually any file—including CAD drawings, plot files, and office documents. Search options include **Match Case** and **Whole Words Only**. Configure the color and blink setting for the result highlight.

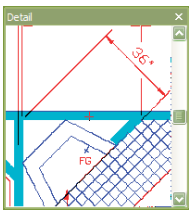
Zoom, Scale, and Rotate

Zoom to a defined area using the cursor. Set images to Fit to the window, 1:1 view, or Actual Size. Magnify and reduce the image. Rotate the view of your document.



Reference Window

Get a bird's-eye view of the active document with the Reference window. A crossed box shows the displayed area; simply move the box to change the view. Excellent for navigating CAD drawings and large-format scanned images.



Detail Window

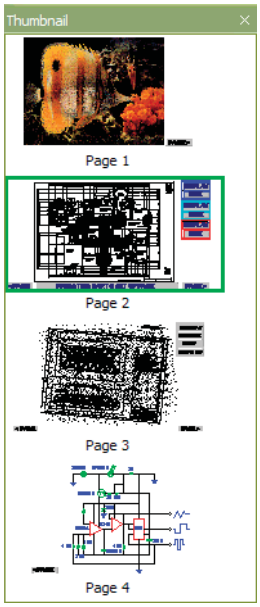
Use the Detail window as a magnifying glass to see a close-up view of any area on an image. Read data, such as small text or figures, without zooming the entire document in and out.

Navigate Multipage Documents

Imagenation contains standard page navigation commands, such as Go To page, Next or Previous page, and Last page. It also contains a Multipage Contents dialog box, which allows you to choose a page by title.

Thumbnails Window

Visually locate the page you are looking for. Click a thumbnail image to view that page.



Model and Paper Space Layouts

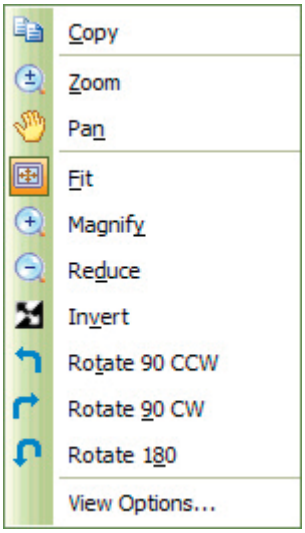
Simultaneously view the two primary spaces that AutoCAD objects reside in, paper space—the area used to create a finished layout for printing or plotting—and model space—the area where the majority of drafting and design is completed. Imagenation also supports the viewing of multi-layout drawings.

? What are the 'view settings' used for?

By configuring view settings—such as Sample, Scale to Gray, Hairlines, Wireframes, and Monochrome—you can control the level of display detail and performance.

! Right Mouse Button (RMB) Context Menu

Click the right mouse button in a document window to display a context-sensitive menu.



AVAILABLE IN:

Large-Format Documents
- ☑ SVME
- ☑ SVE (Raster only)*
- ☑ VME
- ☑ VM
- ☑ V*

3D CAD Models
- ☑ VME 3D+
- ☑ VM 3D+
- ☑ V 3D+

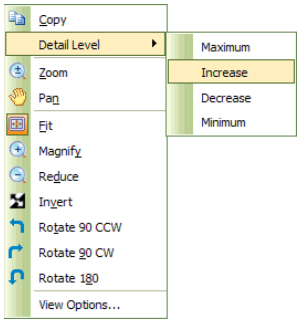
Office-Size Documents
- ☑ OVA*

Batch Editions
- ☑ SVME+B

*Does not view Vector/CAD formats.

(continued)

! Right Mouse Button Context Menu for Raster Detail Viewing



Raster Detail Viewing

Quickly view the contents of highly compressed JPEG2000 or MrSID files with advanced raster detail viewing. For large files, Imagenation initially loads a lower resolution preview image and then allows the user to increase or decrease the detail level as required, through right-click context menu commands. Users can also zoom in on a portion of the image and increase or decrease the detail level of that portion only.

Stamps and Banners

Provide document control and tracking through stamps and banners. Pre-defined system variables, such as Date, File Name, and User ID, or any user-defined text can be placed on printed, faxed or rasterized images. System administrators can create custom variables and can also define banners and stamps that appear on all documents.

Browser Plug-ins

View and print any Imagenation-supported file format directly from your Web browser. Plug-ins are available for several popular Web browsers, including Netscape, Internet Explorer and Firefox. The easy-to-install plug-ins allow users to drag and drop documents from Windows Explorer into the browser, where the plug-in automatically loads and displays the document.

Among the many available 2D view options are: invert, rotate, mirror, magnify, and reduce. With 3D images you can rotate, zoom, and pan. If additional functionality is required, Imagenation can be launched from the plug-in interface and will automatically load the active document.

Document Revision

Communicate concisely, easily, and quickly

Communicate document revisions using Imagenation's customizable markup tools. Commonly referred to as redlining, revisions are often used to indicate engineering change orders (ECO), to record comments, or to highlight specific data.

? Do revisions alter my documents?

No. Markups are placed on transparent layers on top of the document, preserving the integrity of the original document.

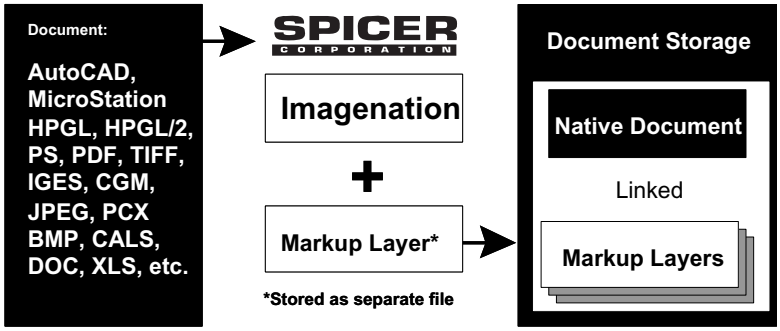
Preserving Originals

By placing a transparent layer on top of the document, users can make revisions without altering the original drawing. Imagenation can place thousands of these transparent layers over a document, making it possible to save the revisions from different users on multiple layers, differentiated by color, type, and so on.

? Are markup layers part of the document?

No. Markup layers are treated as separate objects. You can remove them, attach attributes to them, or link them to the original in a database system.

If you wish, you can permanently 'burn' your markup layers into a raster image of your document using the Rasterize command.



Typical view-markup Imagenation integration

Markup Tools

Powerful document markup capability

Imagenation's markup tools range from standard geometric shapes to custom symbols, such as a logo or an AutoCAD shape (.shp) file. Users can set default colors, line widths, fills, and fonts for each layer, or for each markup tool.

Markups can be grouped and object attributes can be altered for single markups or groups of objects. Define any markup object as a hotspot.

Make markups a permanent part of the image by rasterizing the document. This requires the VME or SVME editions of Imagenation. (For details, see **Image Cleanup and Raster Editing** on page 12.)

? Can markup layers be imported into my CAD or Technical application?

Yes. You can exchange markup data with AutoCAD, MicroStation, and Tech Illustrator.

Drawing Tools

Add geometric shapes, lines and arrows to your documents. Using Tool Preferences settings, all drawing tools can be customized either individually or globally. For example, line color, line width, fill style and fill color can all be changed.

? What about security?

By using edit layers, your base documents are secure, yet still accessible. In an integrated solution, the layers adhere to the EDM/PDM system's revision control and security features.

Hotspots

Create and configure hotspot links to open associated files, launch applications or copy objects.

Text, Annotations, and Highlights

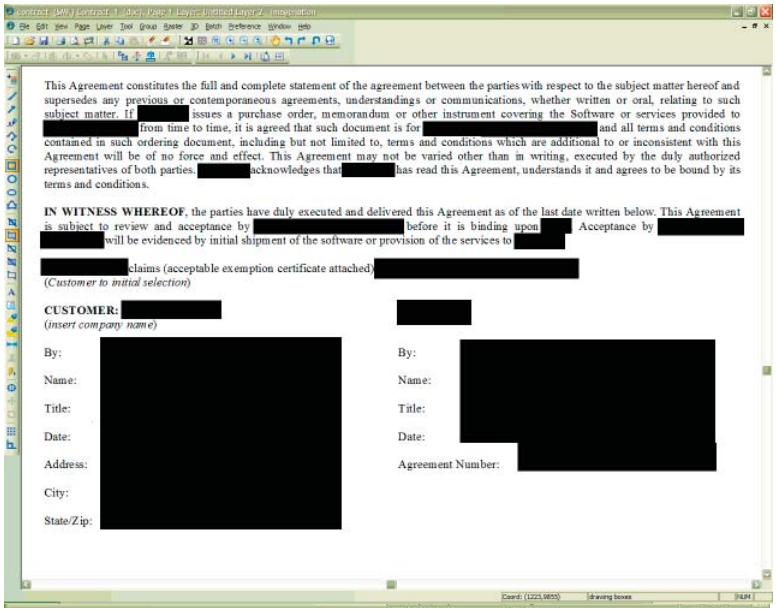
Document reviewers can provide information to other users or can draw attention to specific parts of a document. Text markups display directly on the image, while Annotations can be displayed as icons or as text. The Highlight and Highlight Area tools allow users to quickly mark important details: either a single line or a larger area of a specified shape, such as a box, circle, ellipse, or polygon.

Dimensions

Draw internal and external dimension lines on an image and enter dimension values.

Symbols

Create custom symbols from grouped vector objects saved as an individual file. Users can select symbols in the Symbols Palette and place them on an active edit layer using the Symbol tool.


This Agreement constitutes the full and complete statement of the agreement between the parties with respect to the subject matter hereof and supersedes any previous or contemporaneous agreements, understandings or communications, whether written or oral, relating to such subject matter. If [redacted] issues a purchase order, memorandum or other instrument covering the Software or services provided to [redacted] from time to time, it is agreed that such document is for [redacted] and all terms and conditions contained in such ordering document, including but not limited to, terms and conditions which are additional to or inconsistent with this Agreement will be of no force and effect. This Agreement may not be varied other than in writing, executed by the duly authorized representatives of both parties. [redacted] acknowledges that [redacted] has read this Agreement, understands it and agrees to be bound by its terms and conditions.
IN WITNESS WHEREOF, the parties have duly executed and delivered this Agreement as of the last date written below. This Agreement is subject to review and acceptance by [redacted] before it is binding upon [redacted]. Acceptance by [redacted] will be evidenced by initial shipment of the software or provision of the services to [redacted]
[redacted] claims (acceptable exemption certificate attached) [redacted]
(Customer to initial selection)
CUSTOMER: [redacted]
(insert company name)
By:
Name:
Title:
Date:
Address:
City:
State/Zip:
By:
Name:
Title:
Date:
Agreement Number:

Redaction blocks out confidential information.

Redaction

Protect confidential information and prevent identity theft with Imagenation's redaction tools. Portions of a document can be blacked out to hide sensitive data. Imagenation can be configured with permission-based layers to prevent users from copying the base document or any markup objects. Redacted data is secure from unauthorized access.

AVAILABLE IN:
Large-Format Documents
- ☑ SVME
- ☑ SVE (Raster only)*
- ☑ VME
- ☑ VM
- ☐ V

3D CAD Models
- ☑ VME 3D+
- ☑ VM 3D+
- ☐ V 3D+

Office-Size Documents
- ☑ OVA*

Batch Editions
- ☑ SVME+B

*Subset of markup tools.

Mix file formats and document types

? Why use complex documents?

Complex documents allow you to keep all documents related to one process or order in the same file. Many Document Management Systems can manage multiple files as a single "virtual" document without converting them from their original file formats.

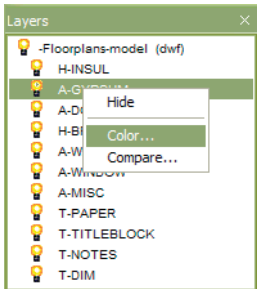
Create complex documents that mix different file formats, such as AutoCAD DWG, faxes, and MS-Word, and different document types, such as layers, single pages, and multipages. Maintain all of these formats within one, easily opened file.

Layer Management

Add edit layers, import or export layers, and create complex, multilayer pages. Consolidate two or more edit layers, including subordinate layers, into one edit layer. Hide or show layers, change their display color, or move them for more clarity on-screen. Use layers to preserve originals when marking up documents.

Layers Window

With a click of the mouse, manage all layers in a document using the Layers window. This floating window displays raster layers, CAD layers, plot pens, and Imagenation edit layers.



Right click in the Layers window to reveal a Layers Options menu.

Page Management

Create and view complex multipage documents by adding, removing, reordering, replacing, importing, and exporting pages.

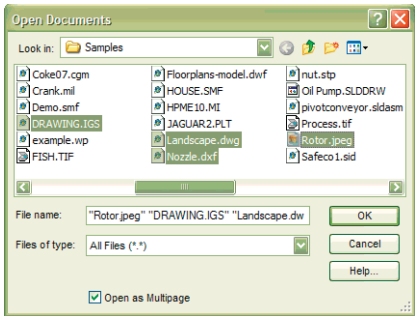
? What happens if I open a document but my system does not have all the fonts?

Imagenation maintains a font database from which you can set font replacements. For example, if AutoCAD fonts are not available, you can set each font to be replaced by a font that is available on your system. This replacement is used when AutoCAD drawings are displayed.

View Multiple Documents as a Single Document

Open separate files as a multipage document with the Open as Multipage feature. Save them as a multipage document. Or save them as a group of linked files that can be opened separately, or into a single document window.

For information on navigating multipage documents, see Navigation and Display on page 3.



"Open as Multipage" opens separate documents as one multipage document.

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Office-Size Documents
- ☑ OVA*

Batch Editions
- ☑ SVME+B

*Limits adding, deleting and creating layers and pages.

Vector and Raster Hybrid CAD files

Many CAD formats, such as HP ME10 and MicroStation DGN, can display raster images with their CAD data. Other applications, such as GTX Raster CAD, add this functionality to CAD applications. Imagenation can view all of these files.

Document Information

Compare, measure, and analyze your documents

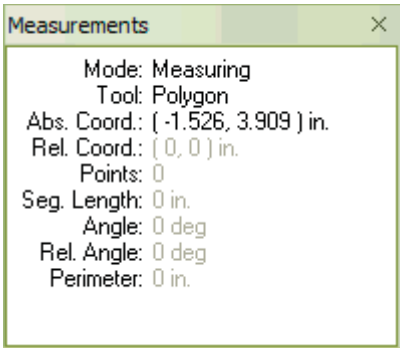
Information alone is not valuable unless you can analyze and use it—turning your data into meaningful knowledge. Imagenation's robust measure, compare, and document properties features allow you to do just that.

Comparing Layers

Imagenation can place different documents on layers and compare them. This is ideal for determining changes made between versions of documents. You can compare differences or similarities between layers, or compare only the parts that are the same on each displayed layer.

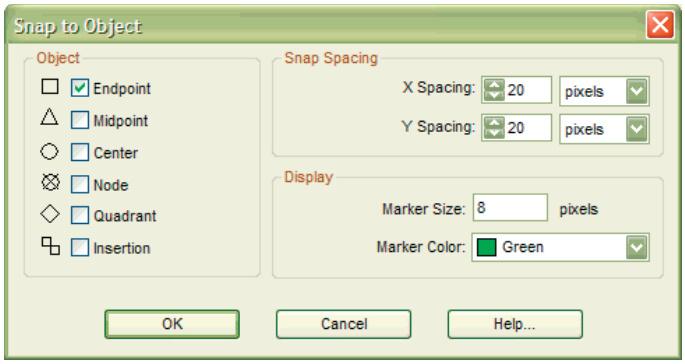
Measuring Images

Imagenation features a sophisticated Measure tool that allows you to configure the tool with which you measure, the decimal accuracy, the unit values, and the measurements displayed in the Measurements window. You can also calibrate distances (see sidebar) in an image.



The Measurements window tracks all measurements. Right click in the window to get a menu in which to select the unit for measuring and the tool to measure with, or to calibrate the image. Copy measurement data and paste it into other applications, such as a database or spreadsheet.

The Snap to Object feature allows you to precisely measure between defined "snap" points. Choose what type of points you want to highlight: endpoint or midpoint of lines, centers of circles and ellipses, insertion point for text objects, and more. Configure the Snap to markers to the desired color, and size, and define how close the cursor must be to a snap point before markers appear.



Getting Document Information

With the Properties command, view information about the selected layer, page, or multipage document, including file names, file size, and file formats. You can also receive information specifically about layers:

- For raster layers, find out header information such as mirror, rotation, color settings, comments, and tiling.
- For vector layers, determine the number of entities on a layer.
- For all layers, determine their permissions and their dimensions, and change their labels.

? What areas can I measure?

Measure length, perimeter, area, angle, and relative angle using tools such as:

- line
- sketch
- polyline
- arc
- box
- circle
- ellipse
- polygon

? What is calibrating?

Calibration is similar to a scale on a map. For example, if you know a line is 10 cm long, but the value returned when you use the Measure tool is 20 cm, calibrate the distance on-screen to 10 cm. Further measurements will be to that scale.

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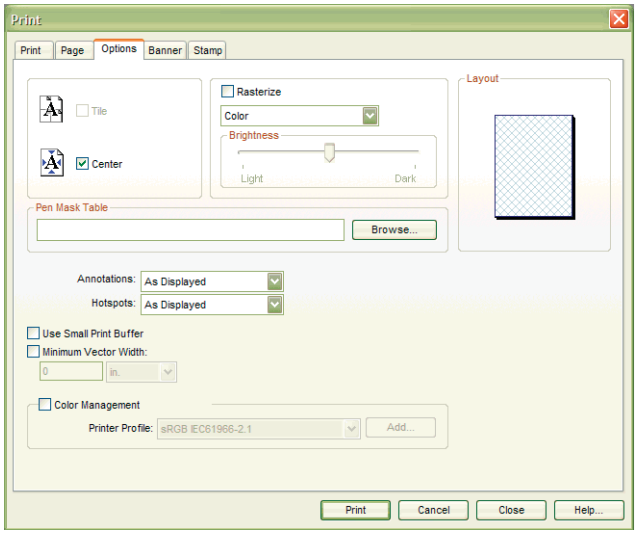
Batch Editions
☑ SVME+B
*Cannot compare layers, OVA cannot measure

Output and route documents any way you want

Printing

Imagenation can print to any device that has a print driver. Typical print options, such as number of copies and page range, are supported. In addition, advanced print options include density control, dither control, tiling, scaling, orientation, banners, and stamps. Other options include print as displayed and print with or without markups.



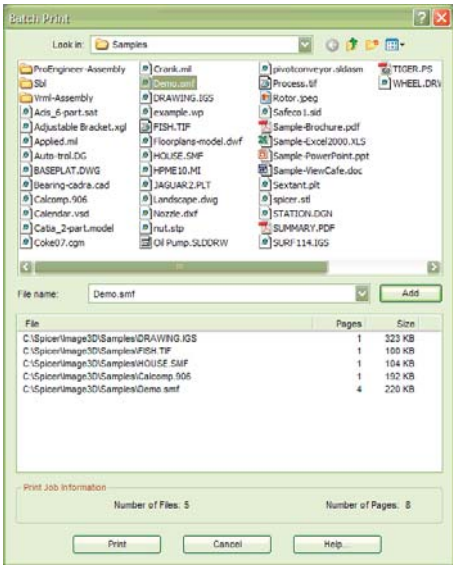
Options tab within Print dialog box.

Imagenation incorporates a true Pen Mapping architecture. Vector pen data from HPGL, Calcomp, AutoCAD and Intergraph files is attached to each and every object. Pen tables may be applied through the Imagenation API to modify the color, weight and pattern (bitmap) to be applied on a pen-by-pen basis.

The 'Bilevel CAD' print profile lets you choose whether specific types of entities should be rendered solid, patterned or dithered during printing. This feature provides an enhanced printing option for CAD documents such as AutoCAD and HPGL.

Batch Printing

Quickly print a large group of documents. Using the **Batch Print** command, you can add documents to the print list and arrange them in the desired print order.



Advanced Tiling

Large documents may print on several pages and need to be pieced together. With Imagenation's advanced tiling feature, you have more control over the overlap of tiled pages.

Stamps and Banners

Mark documents with information as they are printed, such as the document name, its location on a drive, the date, the time, a user ID, or even a user-defined text string. **Banner** places the information along the edge of a drawing, while a **Stamp** appears within the image boundaries.

?Why is document marking important for ISO compliance?

Document control is one of the largest causes of non-compliance with the ISO 9000 Standard. Imagenation's Stamp and Banner features can be integrated into a document control system to force your process control comments to be printed on each page of a document. Text defined by your process, such as *Uncontrolled copy*, *As Built*, or *Obsolete* can be stamped onto every page that is printed from Imagenation.

Faxing

You can fax either from a local fax modem or from a remote, dedicated fax server. Imagenation can send faxes in either normal or fine mode. Options include tiling, banners, stamps, page range, scaling, and orientation.

E-mailing

Imagenation can connect with MAPI-compliant e-mail programs, such as Microsoft Mail, Exchange, Messaging, or Outlook, to e-mail documents as an attachment, either internally or via the Internet. Depending on the edition of Imagenation and the format of the original document, files are sent in the original format or converted to a selected format, such as Spicer Document (.smf), PDF, or Multipage TIFF format, before sending. The original file is not overwritten.

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3D CAD Models
☑ VME 3D+
☑ VM 3D+
☑ V 3D+
Office-Size Documents
☑ OVA
Batch Editions
☑ SVME+B

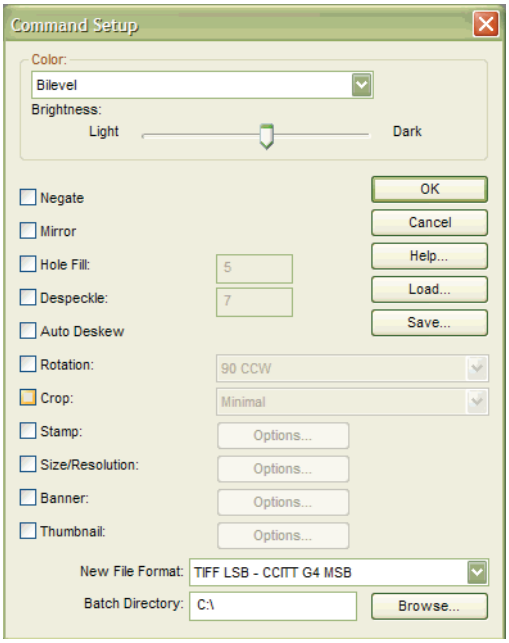
Batch Processing

Automate repetitive tasks and process large numbers of documents

Batch editions of Imagenation allow you to clean up many images at once, for example, changing all files to a different format or creating thumbnails for a series of images. Batches automate repetitive tasks by applying a series of actions to a group of files in a directory. The Batch Manager defines and controls these automated tasks. You can process batches automatically or select individual batches to process; you can even process multipage files in batches.

Image Improvement Capabilities

Define a series of image improvement and file option commands to be carried out on each image in a batch. Commands can be defined individually for each image or globally for all images in a particular batch. All of the standard Imagenation raster operations can be carried out in a batch.



- **Rasterize** defines the color level of the new raster image.
- **Brightness** defines how light or dark the image will be.
- **Negate** reverses the pixels in a bilevel raster image. It is typically used to turn a negative raster image into a positive one.
- **Mirror** flips the image around, so that it is reversed.
- **Hole Fill** fills in white holes of the specified size (in pixels).
- **Despeckle** removes black dots of the specified size (in pixels).
- **Auto Deskew** automatically straightens crooked images as long as the skew angle is 10 degrees or less.
- **Rotation** specifies a rotation of 90 CW, 90 CCW, or 180 degrees, or Landscape or Portrait.
- **Crop** clips the raster image either to a size with minimal white space around the image, or to the smallest standard size without loss of significant data.
- **Size/Resolution** changes the size and resolution of a raster image.
- **Stamp** combines the image with a defined stamp (within image boundaries).
- **Banner** combines the image with a defined banner (outside image boundaries).
- **Thumbnail** saves a thumbnail version of the image.
- **New File Format** selects a file format for the new image.

AVAILABLE IN:
Large-Format Documents
☐ SVME
☐ SVE (Raster only)
☐ VME
☐ VM
☐ V
3D CAD Models
☐ VME 3D+
☐ VM 3D+
☐ V 3D+
Office-Size Documents
☐ OVA
Batch Editions
☑ SVME+B

(continued)

Save and Load Batch Option Files

Save a group of commands to an options file, which you can then **Load** at a later date when you want to reuse the same set of commands.

Batch Directory Control

Quickly specify the destination directory for your batch images. The Batch Directory option in the Command Setup dialog box allows you to set the location where images submitted for processing will be sent.

Managing Batches

The Imagenation Batch Manager allows you to control the processing of batches, create new batches, and edit or delete existing batches.

When you create batches through the Batch Setup dialog box (click New in the Batch

Manager), the batches appear in the Batch Manager. A check mark indicates that the batch is enabled and can be processed. A clock icon indicates that the batch has been assigned a time frame during which it will be processed. This time frame is set in the Batch Setup dialog box.

Enabled batches can be processed immediately, unless they have an assigned processing time, or selected batches can be processed on demand, regardless of the time frame assigned to them.

AVAILABLE IN:
Large-Format Documents
☐ SVME
☐ SVE (Raster only)
☐ VME
☐ VM
☐ V
3D CAD Models
☐ VME 3D+
☐ VM 3D+
☐ V 3D+
Office-Size Documents
☐ OVA
Batch Editions
☑ SVME+B

Scanning

Put paper documents—of any size—online

Convert paper documents into electronic images using Imagenation, and simultaneously give several users immediate access to information. Reduce time spent searching through filing cabinets or drawers for documents that could easily be damaged, lost, or in use by another person.

Through Imagenation, scan originals into single or multipage documents. Save scanned images to industry-standard file formats such as TIFF, CALS, and so on.

? Can I scan documents at high resolution?

Yes. Imagenation can scan and display very large bilevel, grayscale, and color images.

Large Document Scanner Support

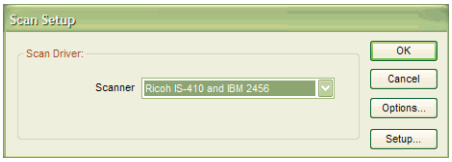
Directly control large document scanners. Use "on-the-fly" scan cleanup features, batch scanning and cleanup, and the exclusive "rocker" mode for interactive cleanup with:

- Contex: FSS 3000, FSS 5000, FSS 8000, FSS 10000
  FSS 3200 DSP, FSS 5200 DSP, FSS 6200 DSP, FSS 8200 DSP, FSS 10200 DSP
  FSS 4300 DSP, FSS 8300 DSP, FSS 12300 DSP, FSS 18300 DSP
  ACS 4100 DSP, ACS 4200 DSP, TDS 8000 DSP, FSS 8300 DSP Copy, FSS 8300 DSP Plus, ICS 1340 DSP
  FSC 3010 DSP, FSC 5000 DSP, FSC 5010 DSP, FSC 6010 DSP, FSC 8000 DSP, FSC 8010 DSP
  FSC 5010 DSP Copy, FSC 8010 DSP Copy
  FSC 3050 Magnum, FSC 6050 Magnum, FSC 8050 Magnum
  FSC 3040 Chroma, FSC 6040 Chroma, FSC 8040 Chroma, FSS 2250 Panorama, FSS 2251 Panorama
  Cougar 25, Cougar 36, Crystal 40, Chameleon 25, Chameleon 36
  Crystal Tx, Chroma Tx
- Vidar: TruScan Flash/Flash Upgrade/Flash+, TruScan Select/Select Plus/Select Pro/Select Classic, Color Classic, Titan, Titan Atlas (color), Designer, Latitude, TruScan 600/800* *Supported in Imagenation Version 6.22 and earlier.
- KIP: 2050, 2080, 2120 driven by TWAIN interface
- Calcomp scanners: ScanPlus III 300, ScanPlus III 500, ScanPlus III 600, ScanPlus III 800,ScanPlus III 1000, ScanPlus III 80, ScanPlus III 400-T, ScanPlus III 600-T, ScanPlus III 800-T, ScanPlus III 1200-T, ScanPlus III 1800-T, ScanPlus III 510 C, ScanPlus III 510 C Copy, ScanPlus III 810-C. ScanPlus III 810-C Copy, ScanPlus III 310-C, ScanPlus III 610-C, ScanPlus III 350C, ScanPlus III 650C, ScanPlus III 850C, ScanPlus III 340C, ScanPlus III 640C, ScanPlus III 840C, ScanPlus IV 625T, ScanPlus IV 825CE, ScanPlus IV 636T, ScanPlus IV 836CE, ScanPlus IV 625C, ScanPlus IV 825C, ScanPlus IV 636C, ScanPlus IV 836C, ScanPlus IV 440T
- Océ scanners: G6015, G6035, G6045, G6015-S, G6035-S, G6035-Sx, G6045-S, 4715, 4725, 4730, 4740, 4770, 4780, CS 4050, CS 4051, CS 4052, CS 4040, CS 4041, CS 4042 CS 4021, CS 4025, CS 4026, CS 4030, CS 4031, CS 4035, CS 4036
- Widecom: SLC 936 and SLC 836 Color (no batch scanning or rocker mode)
- **Xerox:** 6030/6050

? Does Imagenation perform OCR or Vectorization?

No. However, Imagenation can easily be integrated with Optical Character Recognition (OCR) and Vectorization programs for converting images to text and vector data. This best-of-breed situation allows you to select the individual components that best suit your needs.

Select the scanner you require in Imagenation's Scan Setup dialog box



! ISIS = Image and Scanner Interface Specification

Small Document Scanner Support

Control desktop scanners directly using Imagenation. Use "on-the-fly" scan cleanup features, and batch scanning and cleanup.

Pixel Translation ISIS Drivers

Using industry-standard ISIS drivers, Imagenation supports color, grayscale, and black-and-white scanning with over **125** different scanner models from more than 30 manufacturers, including HP, Microtek, UMAX, Ricoh, AGFA, Bell & Howell, Epson, Kodak, Canon, Xerox, Panasonic, Sharp, and Fujitsu. ISIS drivers are often sold with the scanner, but are also available separately. For information on support for specific scanners, contact your Spicer Sales Manager.

AVAILABLE IN:
Large-Format Documents
☑ SVME
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☐ V 3D+
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☐ OVA
Batch Editions
☑ SVME+B

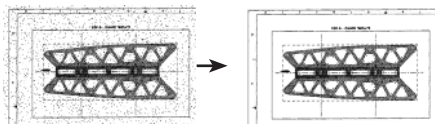
Image Cleanup and Raster Editing

Enhance scanned images for accurate viewing

Dust, scratches, fingerprints, staple holes, and other physical wear and tear on paper documents appear on the resulting scanned image. Imagenation's intelligent raster editing tools enhance the quality of the images, resulting in a higher level of accuracy.

? Can I deskew color images?

Yes. You can deskew color, gray-scale, and bilevel images.

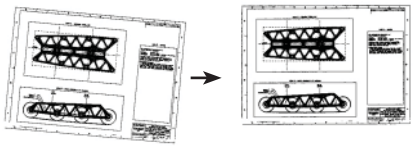


Despeckle

Despeckle a document. Remove stray dots and fill holes that interfere with image quality. Images will compress better, resulting in smaller files.

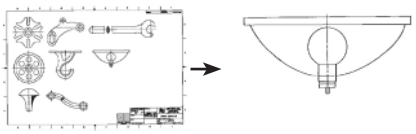
? What is the difference between some of these raster cleanup commands and the view settings?

View settings only change the way an image looks on-screen. The raster cleanup commands, such as Rotate, Mirror, and Negate, change the data in the file.



Deskew

By analyzing the image, Imagenation determines if the scanner fed the document askew, even slightly. The Deskew tool straightens the image to its proper orientation.



Crop

Isolate an area of an image to eliminate blank white space that contains no useful data, but increases the file size. Manually define a crop region, or select a predefined size.

Rasterize

Turn any document that Imagenation displays into a raster image using the Rasterize tool. Rasterize is particularly useful for permanently merging, or "burning" markups into a base raster image. The 'Bilevel Enhanced' rasterization profile intelligently decides whether specific types of entities should be rendered solid, patterned or dithered during rasterizing.

Imagenation includes the Bilevel CAD rasterization profile which is optimized for CAD documents such as HPGL and AutoCAD. See the table below for the capabilities of the Bilevel CAD profile:

FEATURE	OPERATION
Objects	• Opaque vectors will be rasterized to solid black – no transparency • Translucent vectors will be rasterized to a transparent pattern • Opaque-filled areas will be rasterized to a pattern – no transparency • Translucent-filled areas will be rasterized to a transparent pattern • Hatch-filled areas will be rasterized to a solid black – no transparency • Solid filled hatching will be rasterized to a transparent pattern
Text	• Opaque system fonts will be rasterized to solid black – no transparency • Translucent system fonts will be rasterized to a pattern • Opaque stroked fonts will be rasterized to solid black – no transparency • Translucent stroked fonts will be rasterized to a pattern
Raster Images	• Opaque color raster images will be dithered – no transparency • Translucent color raster images will be dithered and transparent

AVAILABLE IN:
Large-Format Documents
☑ SVME
☑ SVE (Raster only)
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☐ VM
☐ V
3D CAD Models
☑ VME 3D+
☐ VM 3D+
☐ V 3D+
Office-Size Documents
☐ OVA
Batch Editions
☑ SVME+B

Image Cleanup and Raster Editing

(continued)

Pen Mapping

Use Pen Mapping to re-map lines and areas based on their color, weight and pattern prior to rasterizing.

Mirror, Negate, Rotate, and Resize

With the Mirror tool, "flip" the drawing, either vertically or horizontally. Use Negate to make negative images positive, and vice versa. Rotate images that were fed into the scanner at odd orientations. Alter the resolution and dimensions of raster images with the Resize tool.

Document Marking

Permanently mark documents with useful information such as the document name, its location on a drive, the date, the time, a user ID, or even a user-defined text string. This is often required for **ISO** or other standards. **Banner** places the information along the edge of a drawing, while **Stamp** appears as a watermark. **Note:** This is similar to the print functions of the same names; however, these are permanently burned into the raster image.

! Format Conversion

Not only does Imagenation view hundreds of formats, it also converts between formats. Edit editions of Imagenation can convert native CAD and Office vector files to secure raster renditions for easier archiving, printing, and file sharing.

3D CAD Model Viewing

Integrated 2D and 3D for native and neutral formats

Imagenation provides 3D CAD model viewing capabilities for many native and neutral 3D formats, including CATIA, Pro/E, SAT, SolidWorks, STEP, VDA-FS, VRML, STL, and IGES. Give everyone in the design process the ability to load, review, measure and mark up documents quickly.

3D Navigation Controls and Tools

Imagenation's intuitive 3D navigation controls and 3D tools let users explore 3D CAD models with ease.

The 3D toolbar contains 3D view, rotate and select commands and specialized 3D tools like Cross Section, Model Explorer and 3D markups.

3D Views

Axis Rotations

View CAD Models in 3D and 2D Mode

Imagenation can be configured to open a 3D file, in either 3D Model mode or 2D projection mode.

View models in 3D mode to rotate, measure, transform, cross-section and apply 3D markups to CAD models.

View 3D CAD models as 2D drawings in a unique four-way display. Imagenation's 2D markup tools can be applied and saved when a model is displayed in 2D mode.

Imagenation can also rasterize 3D models to 2D formats for rapid distribution when the native CAD model is not required.

Select from Smooth Shading, Flat Shading, Wireframes, and Points display styles. Users can select to apply different display styles for the Still and Interactive modes.

AVAILABLE IN:
Large-Format Documents
☑ SVME
☐ SVE (Raster only)*
☑ VME
☑ VM
☑ V
3D CAD Models
☑ VME 3D+
☑ VM 3D+
☑ V 3D+
Office-Size Documents
☐ OVA
Batch Editions
☑ SVME+B
*Does not view Vector/CAD formats.
NOTE: Some features are available only for specific 3D+ formats.

(continued)

Simultaneously View 2D/3D Files

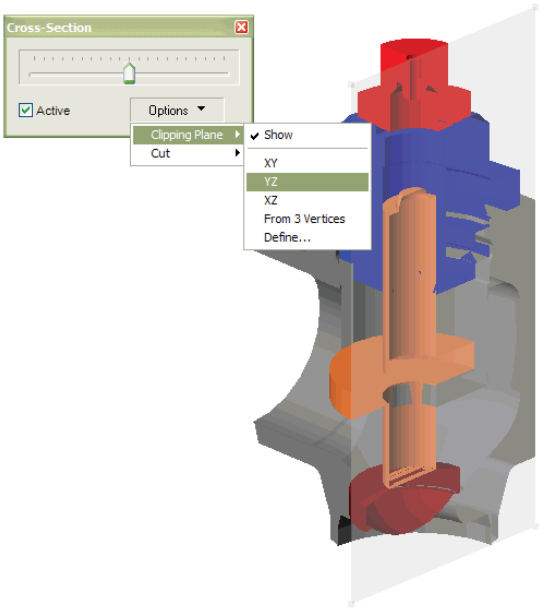
? Are there separate files when viewing in 2D and 3D?
No. Imagenation views the same file in either 2D Projection mode or 3D Model mode. Users can easily toggle between 2D and 3D mode using the 3D menu.

Load and simultaneously display 2D and 3D files. Imagenation's multiple document interface lets users open as many 2D and 3D files as needed.

3D Tools such as Model Explorer, Cross-Sectioning, Transformations and Markups incorporate "sticky" settings—eliminating the need for users to reapply settings upon returning to an open file.

Cross-Sectioning

Imagenation's easy-to-use Cross-Sectioning Tool positions a pre-defined or custom clipping plane that slices through the model to reveal the interior.



Users can define the location of the cross-sectioning plane—XY, YZ, or XZ plane—or define a custom plane by clicking the Options button in the Cross-Section window.

The Cross-Sectioning Tool also lets users reverse the direction of the plane or show only the edge of the model along both sides of the plane.

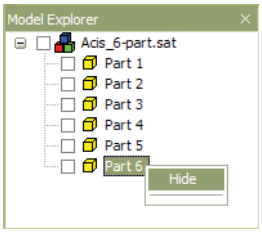
! CTRL and SHIFT Keys:
Select multiple parts of the 3D model by using the CTRL and SHIFT keys.

Holding down the SHIFT key and clicking on two parts will select the entire range of items between the two that are selected.

Holding down the CTRL key and clicking a part will select only those that are clicked on.

3D Model Explorer

The Model Explorer displays a tree view of a CAD model's parts.



Use the Model Explorer to select components of the model for measurements and transformations.

Users can show and hide parts of the model by clicking the check box next to a part in the Model Explorer. Hidden parts are indicated with an 'X' in the check box next to the component's name.

Select Tool

The 3D Select Tool lets users select parts of the 3D model by clicking directly on the model. Selecting parts is easy and accurate. No need to guess at unintuitive part labels. Simply click on the desired part to highlight it on the model, and in the Model Explorer window, ready for transformations, measurements, or other manipulation.

When the Select tool is active, right-click context menus provide rapid access to the Show and Hide parts commands.

3D CAD Model Viewing

(continued)

Measurement Tool

Closely examine 3D models and obtain useful measurement information, such as:

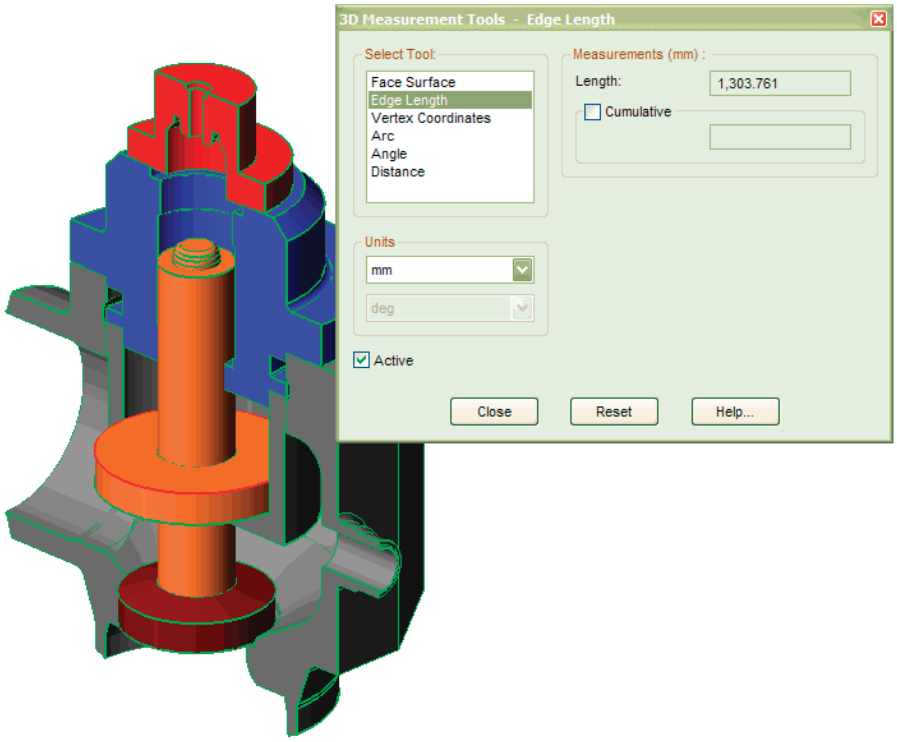
- Distance
- Edge Length
- Vertex Coordinates
- Arc
- Angle
- Minimum Distance
- Face Surface

All measurement functions are accessible from a single dialog box. Simply select the Measurement Tool from the 3D menu and choose the desired measurement from the dialog box.

The intuitive and easy-to-use Measurement Tool returns measurements in the units selected by the user—inches, feet, centimeters, millimeters, or meters.

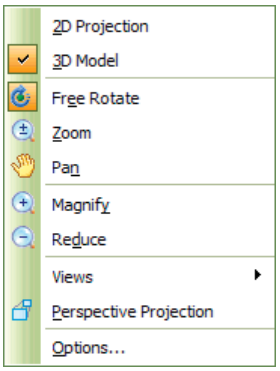
Perform cumulative measurements for Face Surface or Edge Length. Find the total surface area or the total length of edges for several parts.

The Measurement Tool can also be used in conjunction with Imagenation's Cross-Sectioning Tool to obtain measurements of a 3D CAD model's internal components.



! Right-Mouse Button

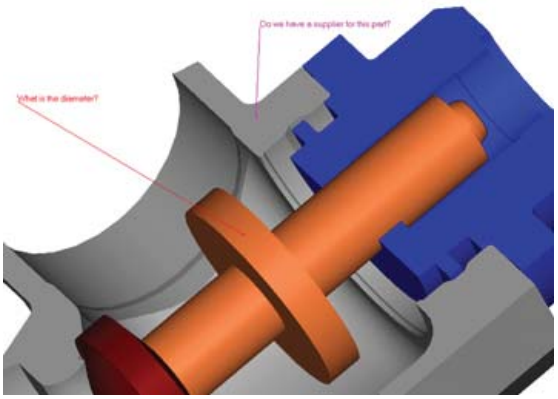
Click the right-mouse button inside the model window for quick access to 3D navigation controls, model display preferences, and tools.



AVAILABLE IN:
Large-Format Documents
☑ SVME
☐ SVE (Raster only)*
☑ VME
☑ VM
☑ V
3D CAD Models
☑ VME 3D+
☑ VM 3D+
☑ V 3D+
Office-Size Documents
☐ OVA
Batch Editions
☑ SVME+B
*Does not view Vector/CAD formats.
NOTE: Some features are available only for specific 3D+ formats.

(continued)

3D Text Markup Tool



Mark up 3D CAD models without requiring a CAD system. Imagenation's 3D Text Tool lets users place text markups right on a CAD model and save those markups for others to review. Markups are anchored to a point on the model so other reviewers can rotate or scale the model without affecting the location of markups previously created.

The Text Tool can be used in combination with Imagenation's powerful Markup Explorer. This enables users to hide, move and scale the 3D model, or parts of the model, to clearly communicate messages to other members of the review team.

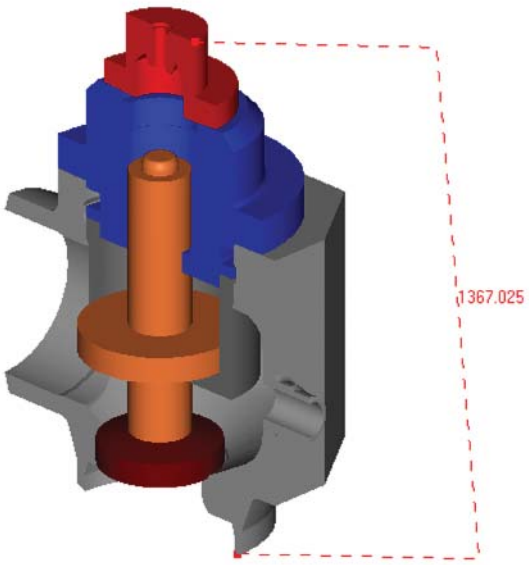
Users can select or edit the text color.

Dimension Tool

Imagenation's 3D Dimension Tool allows users to add dimension lines and values to a 3D model or part. The dimensions remain anchored to the model while users rotate, resize, or reposition it and can be saved with the model for others to review.

The Dimension Tool can be used in combination with the Model Explorer to give dimension values for individual parts or for the entire model.

Users can change the color of the dimension text and anchor lines.



AVAILABLE IN:
Large-Format Documents
☐ SVME
☐ SVE (Raster only)*
☐ VME
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☐ V
3D CAD Models
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☑ VM 3D+
☑ V 3D+
Office-Size Documents
☐ OVA
Batch Editions
☐ SVME+B
*Does not view Vector/CAD formats.
NOTE: Some features are available only for specific 3D+ formats.

Multi-Language Support

Try our dynamic language switching technology

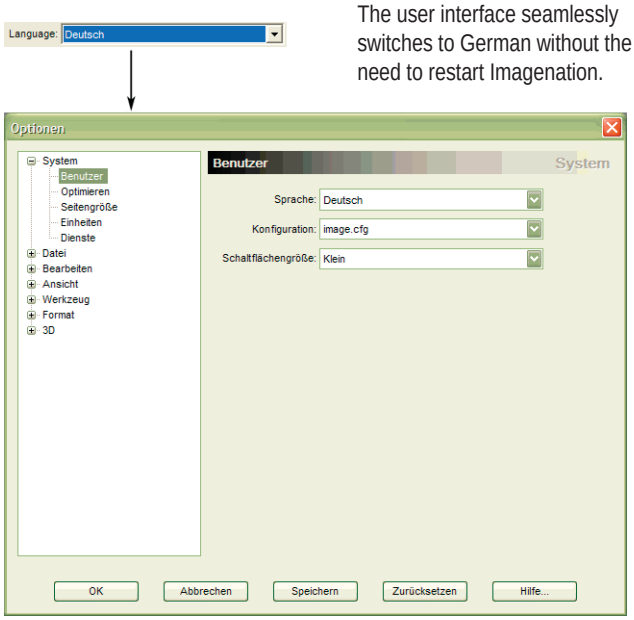
Use the language you want, when you want it, without restarting Imagenation or rebooting the computer. Switch languages on-the-fly and see both the user interface and the online help* in the language you require.

Imagenation is available in 23 languages:

Cantonese*	Chinese (Simplified)*
Chinese (Traditional)*	Czech*
Danish	Dutch
English (UK)	English (US)
Finnish	French
German	Hungarian*
Italian	Japanese
Korean*	Norwegian
Polish*	Portuguese
Portuguese (Brazilian)	Russian
Spanish	Spanish (Latin American)
Swedish	

** User interface only*

Breaking the language barrier enables you to work faster and smarter in your own language. Each license comes with all available languages—simply install the ones you require.



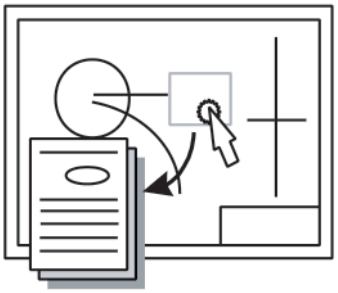
Switch languages on the fly!

Select Deutsch (German) from the Language list and click OK. The user interface seamlessly switches to German without the need to restart Imagenation.

Hotspots

Add intelligence to your documents

In many document solutions, companies want to add intelligence to their documents. For example, a CAD drawing of a machine has a part that, when selected, opens a related document that offers more detail. With hotspots—areas or objects on a document that trigger actions when selected—you can "drill down" through data in this way.



Define any **area** or **object** as an Imagenation Hotspot

Use Imagenation Hotspots to:

- Create Hyperlinks
- Execute other programs
- Run database queries
- Annotate using video
- Access AutoCAD Extended Entity Data (EED)

...virtually anything that can be programmed

Hotspots and EED

Use Imagenation hotspots to recognize Extended Entity Data (EED) information in AutoCAD files. Hotspots give you the power to link programs that accept EED data, such as MS Excel, to Imagenation.

Hotspots and the Imagenation API

Hotspots allow you to call any of Imagenation's hundreds of Application Programming Interface (API) commands. Create an intelligent document that performs complex tasks based on API commands at the click of a hotspot icon. For more information about the API, see page 18.

Hotspot Interface

Hotspots are easily identifiable by the lightning bolt icon that appears when the pointer passes over them. For touch screen programs, configure Imagenation to activate hotspots when single-clicked.

AVAILABLE IN:
Large-Format Documents
☑ SVME
☑ SVE (Raster only)*
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☑ V*
3D CAD Models
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☑ V 3D+*
Office-Size Documents
☑ OVA
Batch Editions
☑ SVME+B
*Can activate but not create hotspots

Build and enhance document solutions with the API

Imagenation's universal viewing capabilities are often integrated with document/data management, workflow, or Intranet systems to provide complete document solutions.

Custom integrations allow different products to share information. For example, integrate Imagenation with a database to open documents from the database, add markups, and check them back in to be opened by other users.

Using Imagenation's robust Application Programming Interface, or API, integrators can control hundreds of functions, attributes, preferences, and permissions to build functional solutions.

Common Imagenation API operations include:

- change the appearance of the Imagenation user interface to suit your application and your environment.
- define permissions and user attributes for documents.
- display, duplicate, or activate the Imagenation window, document windows, floating windows, and external windows.
- make the Imagenation option and preference dialog boxes show up where required.
- open, close, and unload documents, and work with Internet files.
- set characteristics of files that you want to open.
- find out the ID, number, and other information about loaded documents.
- add, remove, reorder, and further change documents, pages, and layers.
- request and set file information.
- save and export documents.
- simplify and change the display of images.
- share documents through printing, faxing, scanning, and e-mail.
- work with markup tools and edit vector objects.
- clean up raster images.

! Application Programming Interface (API)

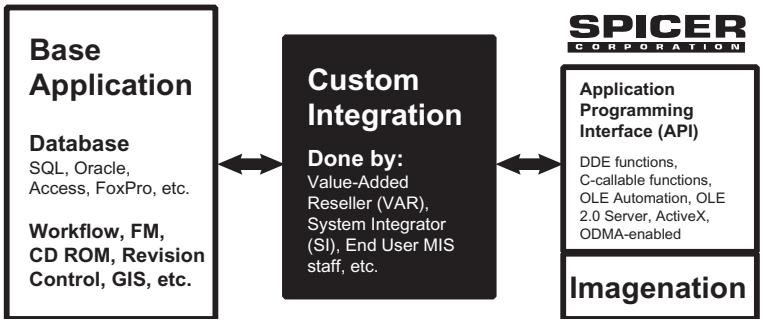
- ActiveX controls
- 350+ DDE transactions
- 300+ C-callable functions
- OLE Automation
- OLE 2.0 server
- ODMA-enabled
- 900+ configurable attributes

? What is an 'integration'?

Integrations are custom programs that allow different products to share information.

For example, integrate Imagenation with a database to open documents from the database, add markups, and check them back in to be opened by other users.

Create custom imaging applications using the Imagenation API


Base Application
Database
SQL, Oracle, Access, FoxPro, etc.
Workflow, FM, CD ROM, Revision Control, GIS, etc.
Custom Integration
Done by:
Value-Added Reseller (VAR), System Integrator (SI), End User MIS staff, etc.
SPICER CORPORATION
Application Programming Interface (API)
DDE functions, C-callable functions, OLE Automation, OLE 2.0 Server, ActiveX, ODMA-enabled
Imagenation

C API

The C API is a method of controlling Imagenation remotely, sending commands to it behind the scenes instead of through the graphical user interface. Whether you want to run a small batch program on a group of images, use Imagenation as the image viewer for your scanner, create your own fax server, or develop a full-scale document management system, the C API provides the command interface that allows you to access all of Imagenation's functionality.

AVAILABLE IN:
Large-Format Documents
☑ SVME
☑ SVE (Raster only)
☑ VME
☑ VM
☑ V
3D CAD Models
☑ VME 3D+
☑ VM 3D+
☑ V 3D+
Office-Size Documents
☑ OVA
Batch Editions
☑ SVME+B

(continued)

DDE API

Using the DDE API, you can develop an application that calls on Imagenation to perform functions for it. Whether you want to run a small batch program on a group of images, use Imagenation as the image viewer for your scanner, create your own fax server, or develop a full-scale document management system, the DDE API provides the command interface for gaining access to Imagenation's functionality.

The Imagenation DDE API uses DDEML, which handles a lot of the overhead work.

You can use any programming language to develop your image-enabled applications, as long as it is compatible with DDE. If you use the C programming language, you can also use Imagenation's C API interface, described in a separate help file. You can also use these DDE commands through OLE Automation.

? What kind of integration support can I expect?

The Spicer APIs are documented in comprehensive Help files. Plus, on-site and classroom integration training is also available.

Contact Spicer's Customer Support to address technical support issues.

Steps to an Integration

1. The first step in an integration is to establish a conversation between the client application and the server, Imagenation. Your client application and Imagenation must be conversing before any meaningful exchange of functions can take place.
2. Next, you can control Imagenation using the applicable functions, notifications, and queries. All C API functions are synchronous. Each function consists of a name and parameters. You must always include any parameters that are defined for a function, in the stated order.
3. Finally, you must end the conversation when you are closing a client application and want Imagenation to stop accepting calls from that client.

Integration Examples

Integrations with other products, performed by Spicer Authorized Value-Added Resellers, System Integrators, or Imagenation users are also available. For more information, contact your Sales Manager.

Advanced Software (UniPlot)
Auto-trol Technologies (Centra 2000)
Axis Technologies (ViPeR, PAS)
Baan (BaanPDM)
CIMx
CMstat Corporation (V5-CMSystem CMWeb-Stat)
Computervision (Optegra)
Contact Software (CIM Database)
Documentum (WorkSpace, SmartSpace)
EDS (Metaphase, IMAN)
Eigner (Precision PLM)
FileNET (Panagon, P8)
Formtek (Stellar TDM)
GeoInSight (Geo DMS)
Global 360 (formerly Identitech) (FYI)
Hummingbird (DOCSOpen, CyberDOCS, DM4, DM5, DM5.1)
IBM (ProductManager, now ENOVIA.PM)
IMR (AlchemyWeb)
Indus International (MPAC, Curator)
Integic (e.Power)
Lotus (Notes)
MatrixOne (eMatrix)
Microtek (Unity)
NetRight Technologies (iManage)
NovaSoft (NovaManage, Novation)
Océ (Reprographics Stations)
OIS
Open Archive (echive, JExplorer)
ProCAD (PRO*FILE)
Rand Technologies (Mechanical Design Automation PDM Systems.)
SAP
SCG
Seal Systems (PLOSSYS)
Siemens (SiManage)
Sierra Systems
SpatiaX (SXMarkup-Edit, SXMarkup-Web, SXView)
Treev- formerly Ceyoniq
TSA/ADVET (Falcon/DMS)
UDMS (Step 2000)
Wonderware (Protean)
Xerox (Docuplex)

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Components for network and Web solutions

The Spicer Image a•X Toolkit represents a new **flexibility** for integrating Imagenation's functionality into your document solutions—whether they are traditional networked database solutions, or Intranet/Web solutions.

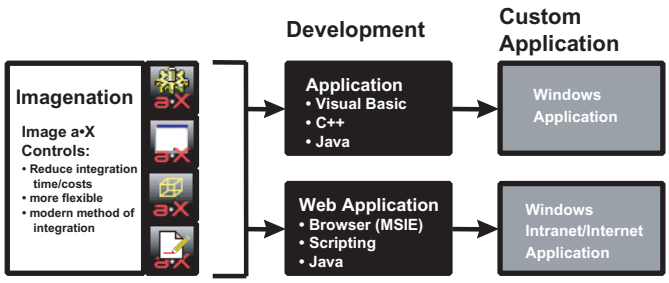
? What is ActiveX technology?

ActiveX brings OLE and COM technologies to the Web. Microsoft has declared ActiveX as its chosen standard.

Image a•X is a specific implementation of the Microsoft Component Object Model (COM). The controls are contained in Microsoft cabinet (CAB) files. CAB files are an efficient way to quickly distribute and install large amounts of software. Users can download CAB files from a Web site or from a network and then install the software on their machines.

Use the Image a•X Toolkit to create client or server applications that use Imagenation's powerful viewing abilities, without running Imagenation. Or embed the controls in HTML pages to use Imagenation's features in a Web environment. Automate the controls using common scripting languages, such as JavaScript or VB Script, or programming languages, such as Java.

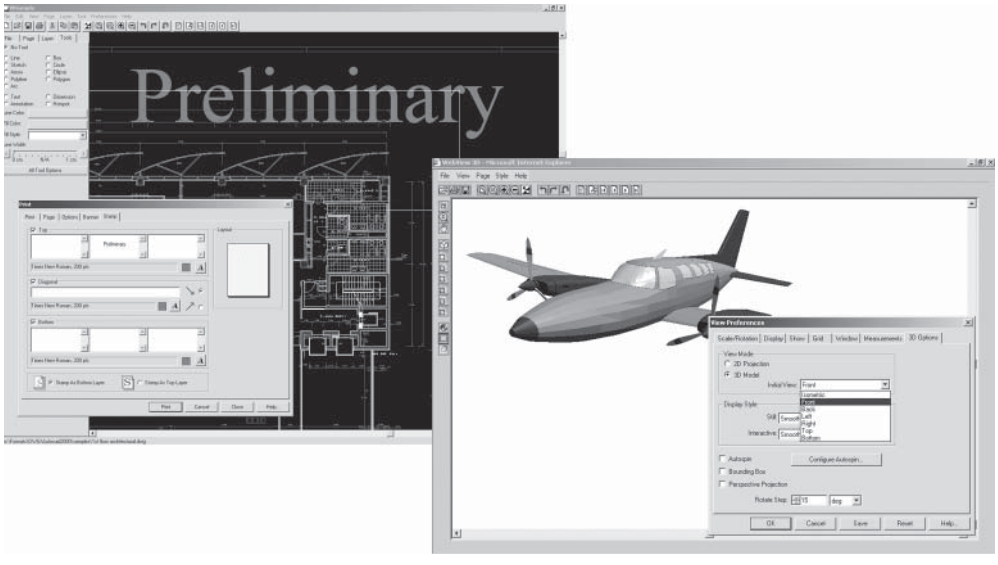
Image a•X technology currently operates in Microsoft Windows 32-bit environments. Spicer Image a•X Toolkit controls are compatible with the Microsoft .NET environment. You can create Image a•X applications using C#, as well as C, C++, Visual Basic and many other languages.



Spicer Image a•X Toolkit provides many development options

Custom Document Viewing

The Image a•X Toolkit offers secure, customized interface design, allowing integrators the freedom to configure the user interface to be exactly as desired, implementing only those features that each user requires.



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Spicer Image a•X OEM Toolkit

(continued)

The Image a•X Toolkit includes the following ActiveX controls, which are suitable for all Windows environments:

Document Control	• Open, create, and manipulate simple or complex documents.
View Control	• View, print, and fax documents from the Document Control.
3D View Control (Beta)	• View, rotate and cross-section 3D CAD models.
Markup Control	• Creates markups on documents.
Reference Control	• Use the floating Reference window for a bird's eye view of documents.
Thumbnails Control	• Display thumbnail views of multipage documents and navigate through the pages by clicking on a thumbnail.
Edit Control	• Clean up images and edits rasters.
Detail Control	• Use the floating Detail window for up-close views of documents.
Configuration Control	• Configure dialog boxes, menus, and functionality.
Layers Window Control	• Display the names of all layers on the current page.
Measurement Control (Beta)	• Calibrate and use the Measurement Tool to obtain accurate measurements from 2D documents.

? Why does Spicer ship beta controls?

Spicer ships some controls in beta form for integrators to test and provide feedback. We use this feedback to direct future development.

Licensing

Choose the ideal Imagenation licensing model

Imagenation offers a variety of licensing models to suit the needs of any organization. Each edition (see page 24) is available in three licensing models:

- Per seat License
- Concurrent License
- Site License

Server-based licensing is also available. For more detailed information about licensing and pricing, contact your local Spicer Value Added Reseller or Sales Manager.

License Manager for Concurrent Licensing Installations

The License Manager is software that provides security by granting access to Imagenation on a TCP/IP network. The License Manager controls the number of seats and the editions of Imagenation client sessions that can run concurrently from a network or server installation.

A single License Manager is capable of monitoring Imagenation licenses for any size of installation. It simplifies network administration and enables all members of an organization to easily access Imagenation's powerful functions from a network.

Configurable message logging

Customize your License Manager and keep track of the messages that are important to you with configurable message logging.

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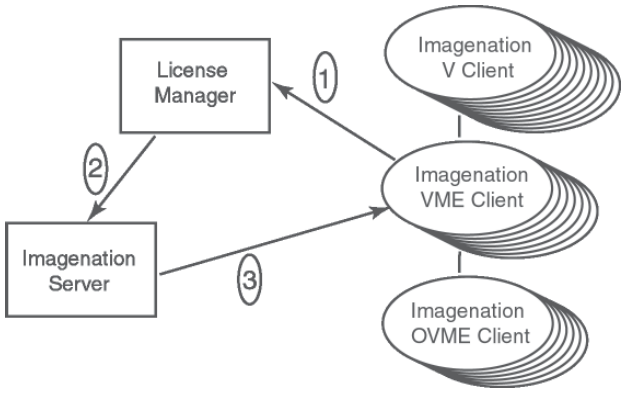
Licensing

(continued)



How the License Manager works:

1) A user requests Imagenation from the network.

2) License Manager verifies that the requested edition of Imagenation is available.

3) License Manager instructs the Imagenation server to launch the requested edition of Imagenation to the client.

4) Once the client closes Imagenation, the license is released and is available immediately for any other Imagenation users.

! License Manager Recommended System Requirements

- Pentium class processor or better
- TCP/IP based network
- Windows 2000, XP, or 2003 Server
- 100 KB of free disk space, or more

License Monitoring

License Manager features a smart license release design that ensures optimum usage of licenses. This is accomplished in several ways:

- In the event of a client or server crash, License Manager allows time to re-establish the connection. If the connection cannot be re-established, License Manager releases the license.
- License Manager sends intermittent pings to all active clients. If a client is inactive, License Manager releases the license after a specified period of inactivity.
- License Manager may be locked to a dongle.

Customer Service and Support

Make the most of your investment

Spicer's team of Customer Support specialists and training instructors provide front-line assistance and timely education, increasing the value and ease-of-use of Spicer products in your business enterprise.

Maintenance

Spicer's comprehensive Maintenance Program, which includes service and support, an annual General Maintenance Upgrade, and interim releases, is available for purchase. For details, contact your Spicer Sales representative, visit the Spicer Web site at www.spicer.com, or e-mail maintenance@spicer.com.

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Training

Learn how to make the most of your investment with a customized Imagenation training course offered by highly skilled Spicer instructors. We offer training at your location and our facilities in Kitchener, Ontario, Canada.

Documentation

Receive award-winning printed and online documentation for Imagenation and its Application Programming Interfaces (API).

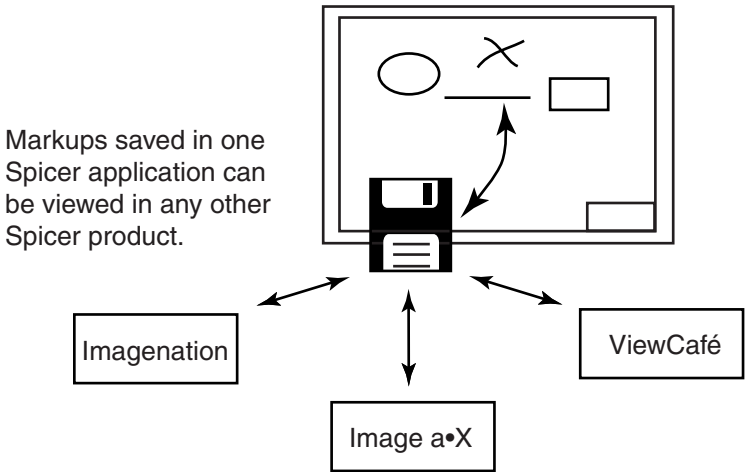
Find out more on the Web at www.spicer.com.

Spicer Universal Viewing Solutions

Interoperable Spicer Solutions for your business and your business partners

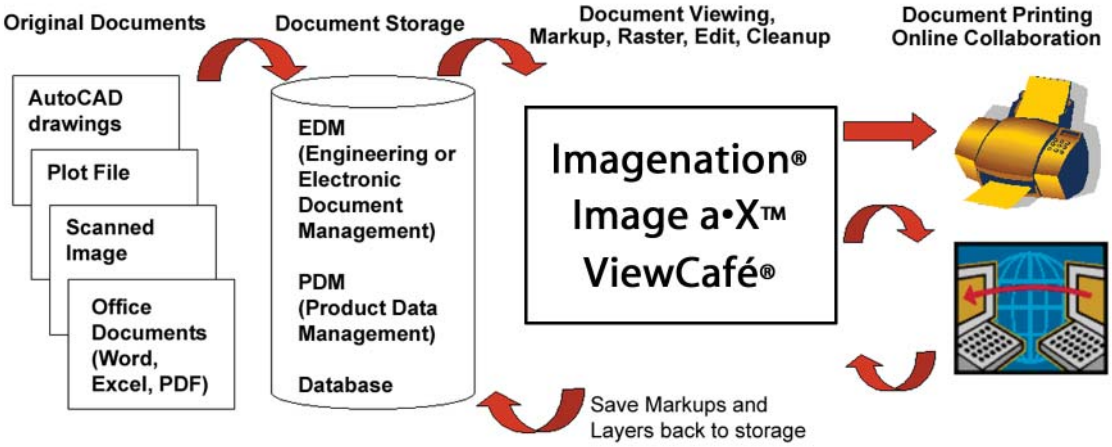
Spicer Corporation's suite of interoperable client- and server-based document viewing solutions gives businesses of any size the ability to deploy the Spicer solution, or combination of solutions, that best fits with its business processes.

Imagenation, Image a•X, ViewCafé and DocuJet offer the power of universal viewing to all employees, partners and clients. Whether an organization simply needs to view documents stored in a local database, or collaboratively review plans for a megaproject with business partners that are scattered throughout the world, Spicer products provide the means to do it.



Each Spicer viewing product has the capability to quickly and accurately view hundreds of industry-standard file formats. Moreover, markups saved in Imagenation or the Image a•X toolkit, or in ViewCafé can be displayed in any other Spicer visualization product.

This interoperability among Spicer products assures businesses that files which are viewed or marked up at one location can be opened and read by Spicer users at any other location regardless of whether employees are using a Spicer desktop client, Web client or ActiveX implementation.



! Explore a wealth of information at www.spicer.com.

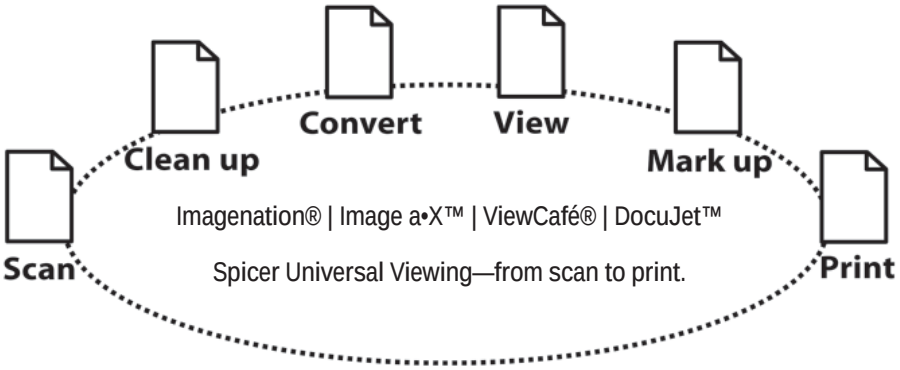
Spicer's web site is a universal destination for image viewing solutions.

- Learn about the Power of Universal Viewing.
- Download evaluation software and try interactive online demos.
- Find information on Spicer's Partner program for Resellers, VARs and OEMs.
- Get details on Spicer events—see us live at a trade show near you.
- Read Spicer news and facts—learn about Spicer success stories and noteworthy news.

The Power of Universal Viewing

A global answer for all your imaging needs

Take advantage of the interoperability and flexibility of the entire Spicer suite of imaging solutions.



Visit www.SPICER.com to download your FREE evaluation software and to learn more about Spicer Corporation.

Editions

A wide selection of packages to meet client needs

Various editions of Imagenation are available to address all applications—from the very basic to the most demanding, with features and price points to match.

Edition	Features	Applications
Large Format*		
SVME	Scan, View, Markup, Edit	Reprographics, scan, clean up, and print
SVE	Scan, View, Edit	Scan, clean up, and print raster images
VME	View, Markup, Edit	Clean up, conversion, ECM/PLM
VM	View, Markup	Revision control, ECM/PLM
V	View	Engineering and office document viewing
Office‡		
OVA	Office View, Annotate	Viewing with basic office annotations
3D+		
VME 3D+	View, Markup, Edit 3D	Rasterize 3D models
VM 3D+	View, Markup 3D	3D viewing with text annotations
V 3D+	View 3D	3D CAD model viewing
Batch		
SVME+B	Scan, View, Markup, Edit plus Batch	Reprographics, scan, clean up, print, and batch

* Maximum Document Size: Virtually Unlimited ‡Maximum PDF Document Size: B-size (11" by 17")

System Requirements
Microsoft Windows 2000, Windows XP, Windows 2003 Server, Windows Vista; Pentium class processor or better; 64 MB RAM (128MB recommended); CD-ROM drive; 45 MB or more free disk or network space; mouse, track ball, or touch screen; VGA monitor (SVGA recommended).

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